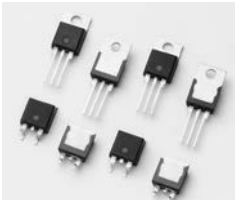


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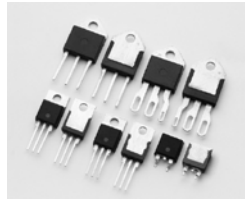
## FOR IMMEDIATE RELEASE

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[QJxx16Hx Series Triac  
Thyristor Image](#)



[QJxx25Hx Series Triac  
Thyristors Image](#)

## High Temperature Alternistor Triacs Simplify Thermal Management, Handle High Surges

*Optimized for AC power control applications such as heater control, motor speed control, lighting controls*

**CHICAGO, October 11, 2017** — [Littelfuse, Inc.](http://Littelfuse, Inc.), the global leader in circuit protection, today introduced two series of High Temperature Alternistor Triacs, the latest additions to the company's thyristors portfolio. With a maximum junction temperature of 150°C, the 16A QJxx16xHx Series and 25A QJxx25xHx Series are designed for use as AC switches, helping circuit designers address overheating challenges in AC power control applications with limited or no heat sinking. Their high peak, single cycle AC current pulse ratings allow them to tolerate higher in-rush currents in heater or motor control applications.

Applications for QJxx16xHx Series and QJxx25xHx Series High Temperature Alternistor Triacs include:

- heater control in coffeemakers,

- tankless water heaters and infrared heaters,
- AC solid-state relays,
- dimmers for incandescent and LED lighting,
- motor speed control in kitchen appliances, power tools, etc. and
- compressor motor control in light industrial applications.

“The high operating temperatures for the QJxx16xHx Series and QJxx25xHx Series simplify thermal management problems, such as overheating or reduced operating times,” said Koichiro Yoshimoto, business development manager, Semiconductor Business Unit at Littelfuse. “The robust clip-attach assembly ensures high field reliability.”

QJxx16xHx Series and QJxx25xHx Series High Temperature Alternistor Triacs offer these key benefits:

- 150°C maximum junction temperature simplifies thermal management, especially in applications with limited or no heat sinking.
- 200A/250A  $I_{TSM}$  ratings allow tolerating higher inrush currents in heater or motor control applications.
- Mechanically and thermally robust TO-220/263 (16A and 25A) and TO-218 (25A) clip-attach assembly ensures higher field reliability than wire-bond packages.
- Internally isolated TO-220 and TO-218 packages provide better heat dissipation and higher isolation voltage.

### **Availability**

QJxx16xHx Series and QJxx25xHx Series High Temperature Alternistor Triacs are available in TO-220 (isolated or non-isolated), TO-263 (D2-PAK), TO-218AC (isolated) and TO-218X (isolated) packaging in tube pack in quantities of 500 (50 per tube) or in embossed carriers in quantities of 500. Sample requests may be placed through authorized Littelfuse distributors worldwide. For a listing of Littelfuse distributors, please visit [Littelfuse.com](http://Littelfuse.com).

### **For More Information**

Additional information is available on the [QJxx16xHx Series High Temperature Alternistor Triac product page](#) and the [QJxx25xHx Series High Temperature Alternistor Triac product page](#). For technical questions, please contact: Koichiro Yoshimoto, business development manager, [KYoshimoto@littelfuse.com](mailto:KYoshimoto@littelfuse.com).

### **About Littelfuse**

Founded in 1927, Littelfuse is the world leader in circuit protection with growing global platforms in power control and sensing. The company serves customers in the electronics, automotive and industrial markets

with technologies including fuses, semiconductors, polymers, ceramics, relays and sensors. Littelfuse has over 10,000 employees in more than 40 locations throughout the Americas, Europe and Asia. For more information, please visit [Littelfuse.com](http://Littelfuse.com).

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